

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122723\
 Data File : BF136779.D
 Acq On : 28 Dec 2023 02:07
 Operator : CG\JU
 Sample : 06018-03
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMP-3

Quant Time: Dec 28 03:27:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

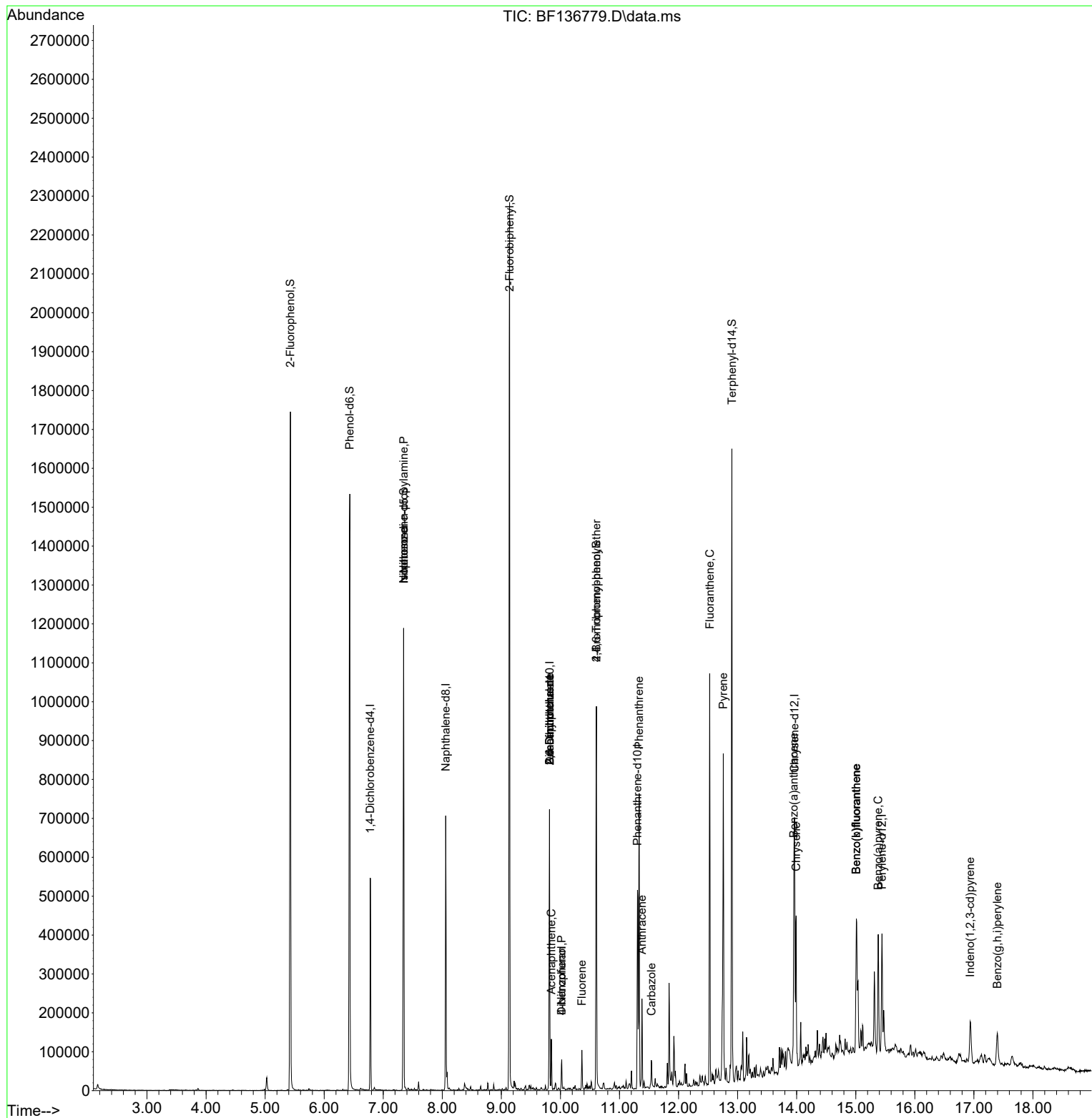
Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.781	152	75215	20.000	ng	-0.01
21) Naphthalene-d8	8.057	136	273870	20.000	ng	-0.01
39) Acenaphthene-d10	9.816	164	132282	20.000	ng	-0.01
64) Phenanthrene-d10	11.304	188	203648	20.000	ng	-0.01
76) Chrysene-d12	13.962	240	145257	20.000	ng	0.00
86) Perylene-d12	15.445	264	134871	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	449786	93.305	ng	0.00
7) Phenol-d6	6.434	99	574498	91.974	ng	0.00
23) Nitrobenzene-d5	7.345	82	359921	67.249	ng	-0.01
42) 2,4,6-Tribromophenol	10.610	330	120854	77.574	ng	-0.01
45) 2-Fluorobiphenyl	9.139	172	703897	71.569	ng	-0.01
79) Terphenyl-d14	12.904	244	538281	51.786	ng	-0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	7.345	70	46640	12.318	ng	# 73
25) Isophorone	7.345	82	359913	36.957	ng	# 65
50) Dimethylphthalate	9.816	163	26060	2.697	ng	# 1
51) 2,6-Dinitrotoluene	9.816	165	17307	7.892	ng	# 30
52) Acenaphthene	9.845	154	23738	2.969	ng	99
55) Dibenzofuran	10.022	168	28860	2.381	ng	96
56) 4-Nitrophenol	10.022	139	9954	6.348	ng	# 10
57) 2,4-Dinitrotoluene	9.816	165	17307	6.080	ng	# 21
58) Fluorene	10.363	166	25684	2.671	ng	98
67) 4-Bromophenyl-phenylether	10.610	248	6916	3.058	ng	# 1
71) Phenanthrene	11.333	178	270728	25.909	ng	98
72) Anthracene	11.380	178	79736	7.535	ng	98
73) Carbazole	11.539	167	28367	2.843	ng	# 94
75) Fluoranthene	12.527	202	389276	34.828	ng	97
78) Pyrene	12.757	202	330818	23.200	ng	100
81) Benzo(a)anthracene	13.951	228	184990	18.340	ng	97
83) Chrysene	13.992	228	160182	16.240	ng	96
87) Indeno(1,2,3-cd)pyrene	16.939	276	70192	7.208	ng	97
88) Benzo(b)fluoranthene	15.009	252	270566	30.036	ng	99
89) Benzo(k)fluoranthene	15.009	252	270566	31.787	ng	100
90) Benzo(a)pyrene	15.380	252	140594	18.490	ng	100
92) Benzo(g,h,i)perylene	17.398	276	71282	8.712	ng	98

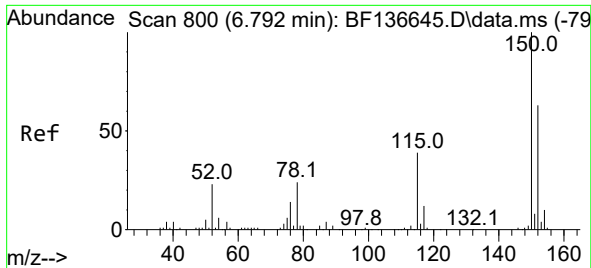
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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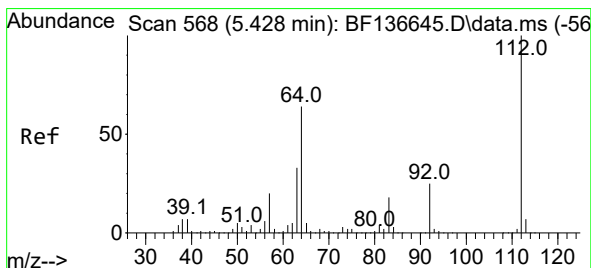
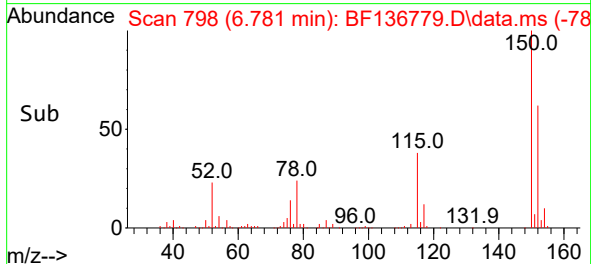
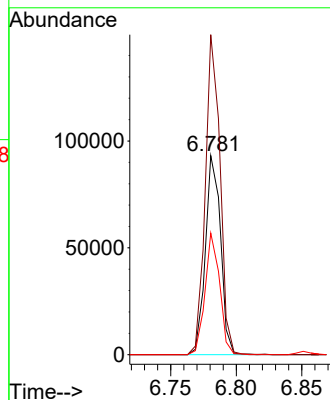
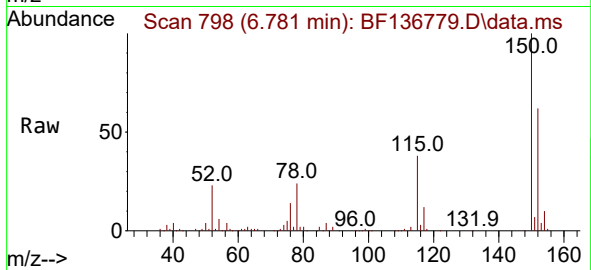




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.781 min Scan# 798
Delta R.T. -0.011 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

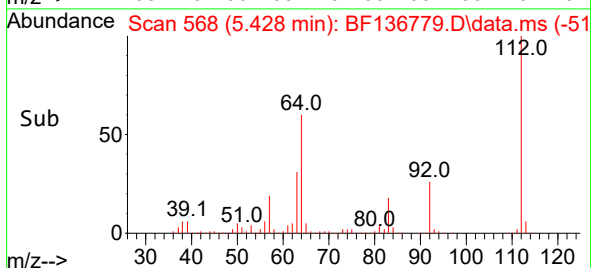
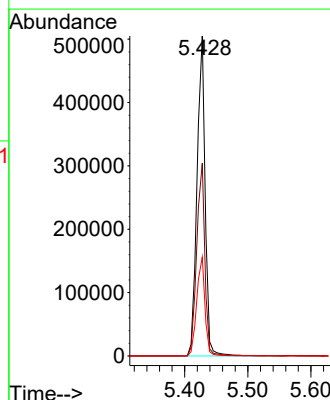
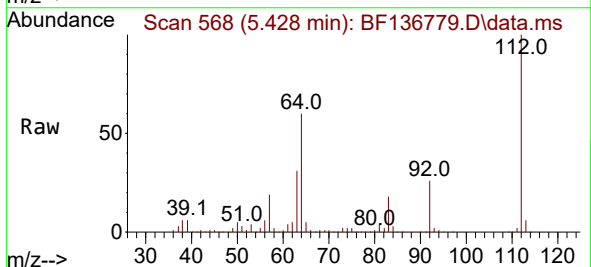
Instrument :
BNA_F
ClientSampleId :
COMP-3

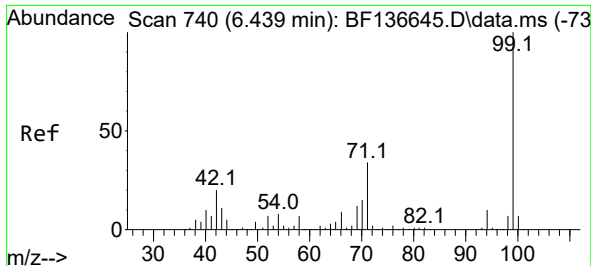
Tgt Ion:152 Resp: 75215
Ion Ratio Lower Upper
152 100
150 160.8 127.0 190.6
115 61.1 49.0 73.4



#5
2-Fluorophenol
Concen: 93.305 ng
RT: 5.428 min Scan# 568
Delta R.T. -0.000 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Tgt Ion:112 Resp: 449786
Ion Ratio Lower Upper
112 100
64 60.2 51.1 76.7
63 30.9 26.1 39.1

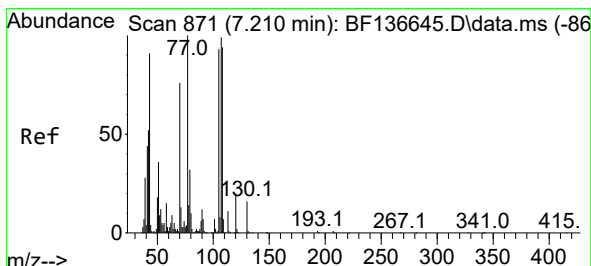
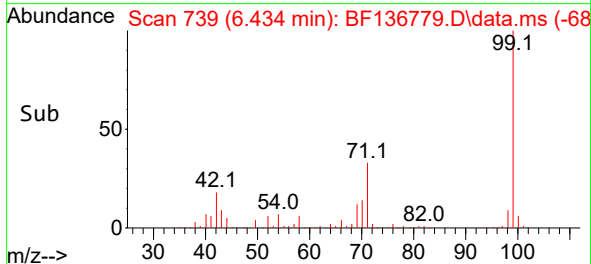
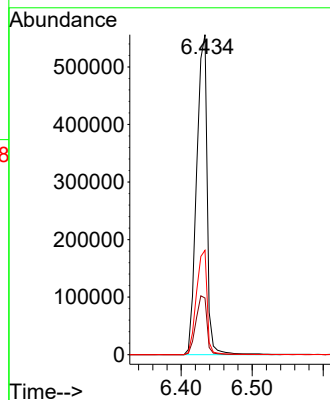
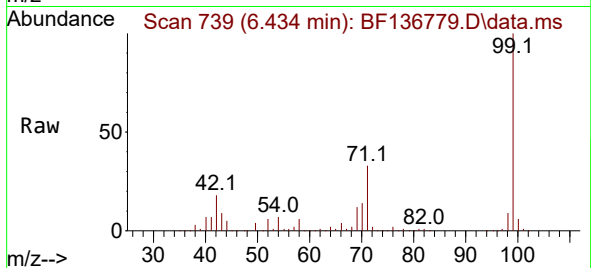




#7
Phenol-d6
Concen: 91.974 ng
RT: 6.434 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

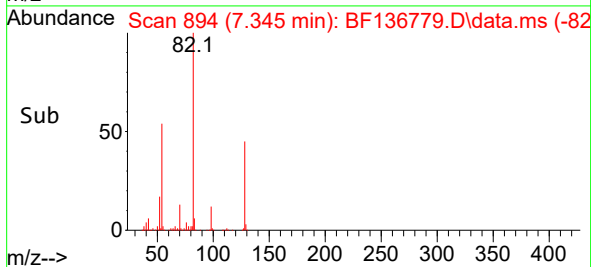
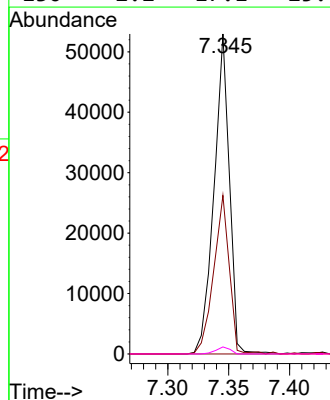
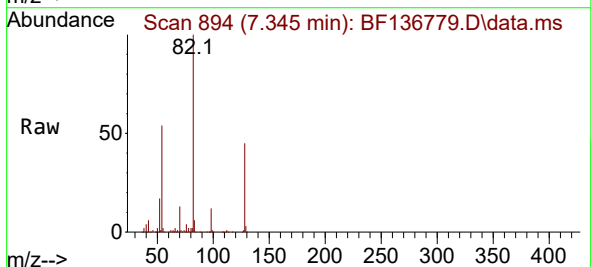
Instrument :
BNA_F
ClientSampleId :
COMP-3

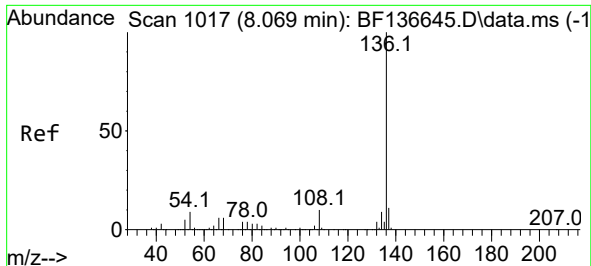
Tgt Ion: 99 Resp: 574498
Ion Ratio Lower Upper
99 100
42 17.7 16.1 24.1
71 32.6 27.4 41.2



#19
n-Nitroso-di-n-propylamine
Concen: 12.318 ng
RT: 7.345 min Scan# 894
Delta R.T. 0.135 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Tgt Ion: 70 Resp: 46640
Ion Ratio Lower Upper
70 100
42 49.6 54.2 81.4#
101 0.0 7.6 11.4#
130 2.2 17.1 25.7#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.057 min Scan# 1015

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

Tgt Ion:136 Resp: 273870

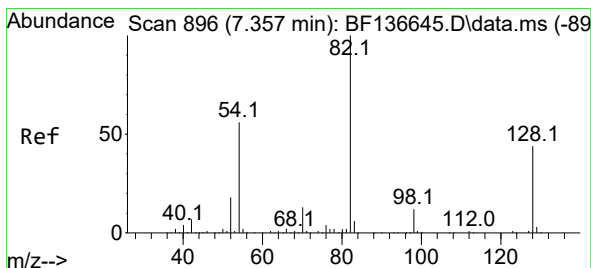
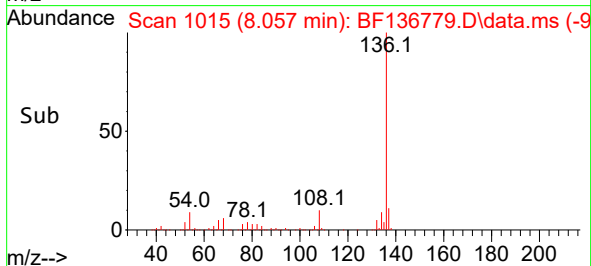
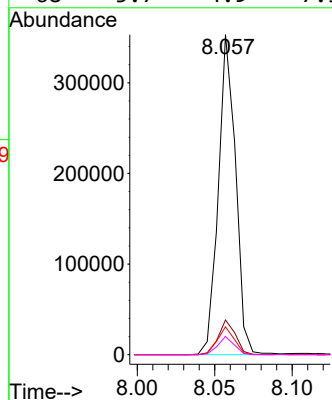
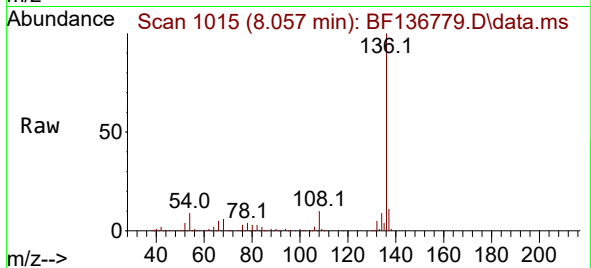
Ion Ratio Lower Upper

136 100

137 10.8 9.0 13.4

54 8.7 7.2 10.8

68 5.7 4.9 7.3



#23

Nitrobenzene-d5

Concen: 67.249 ng

RT: 7.345 min Scan# 894

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

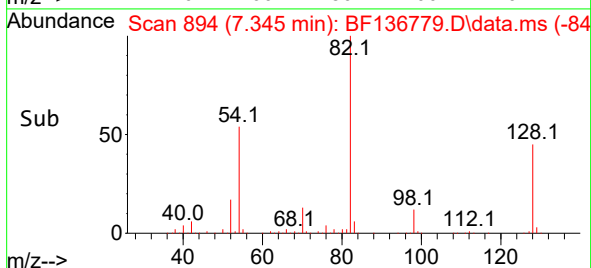
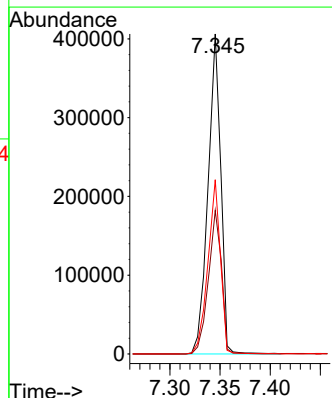
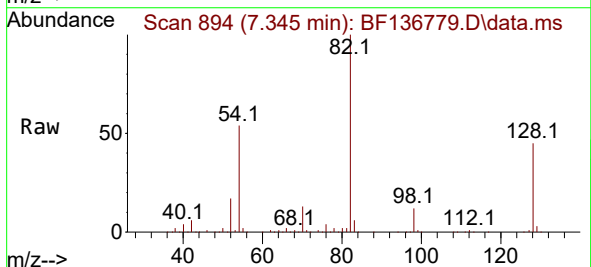
Tgt Ion: 82 Resp: 359921

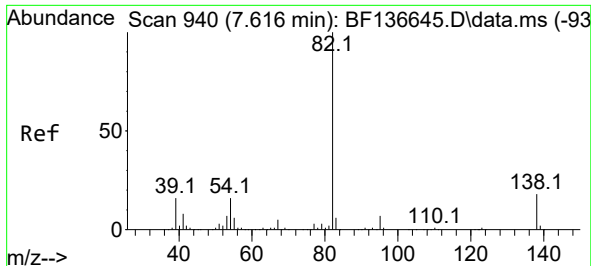
Ion Ratio Lower Upper

82 100

128 44.9 35.3 52.9

54 54.5 44.5 66.7

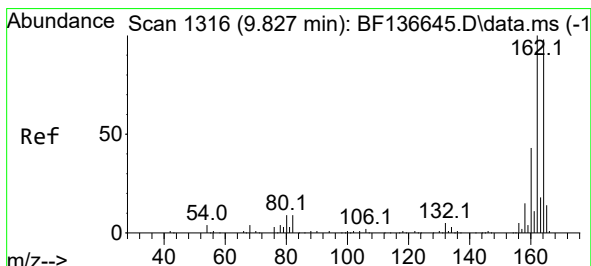
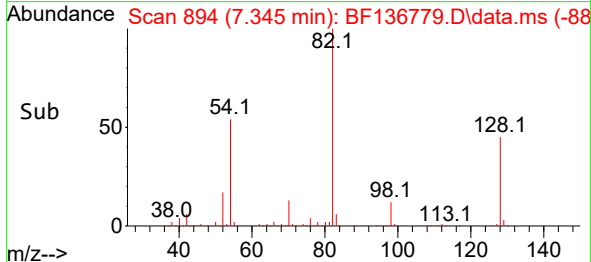
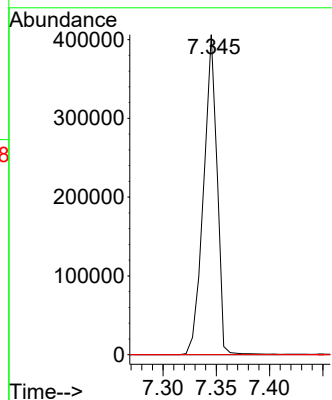
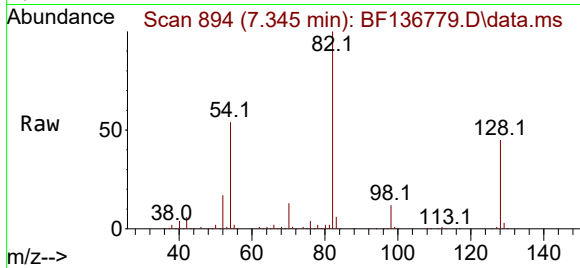




#25
Isophorone
Concen: 36.957 ng
RT: 7.345 min Scan# 894
Delta R.T. -0.271 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

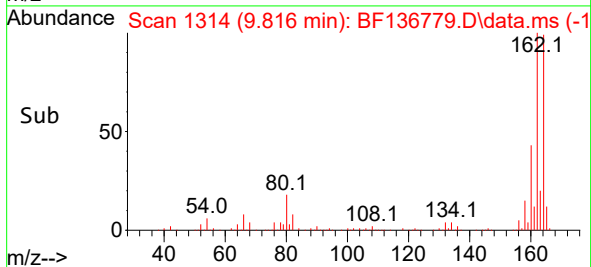
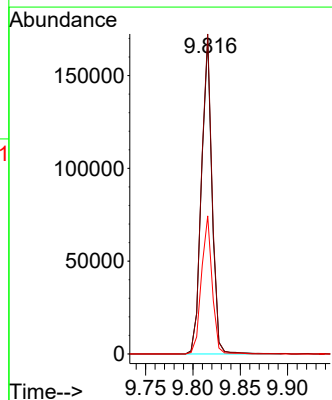
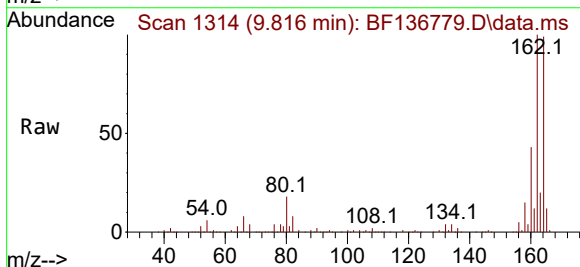
Instrument :
BNA_F
ClientSampleId :
COMP-3

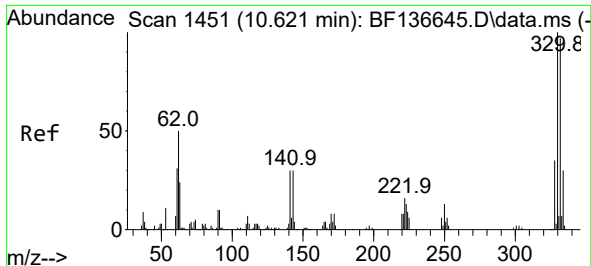
Tgt Ion: 82 Resp: 359913
Ion Ratio Lower Upper
82 100
95 0.0 5.5 8.3#
138 0.0 14.5 21.7#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.012 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Tgt Ion:164 Resp: 132282
Ion Ratio Lower Upper
164 100
162 101.5 81.6 122.4
160 43.8 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 77.574 ng

RT: 10.610 min Scan# 1451

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

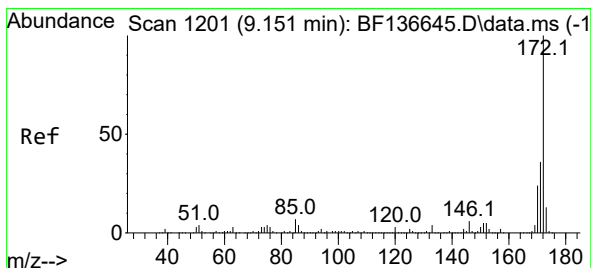
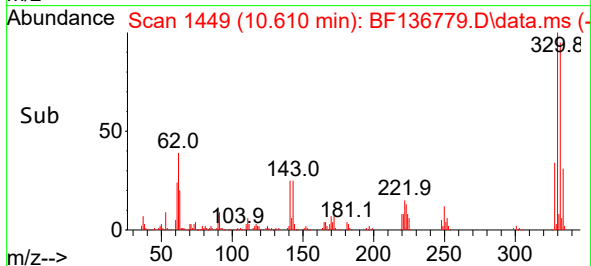
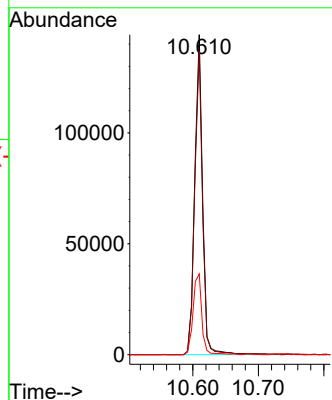
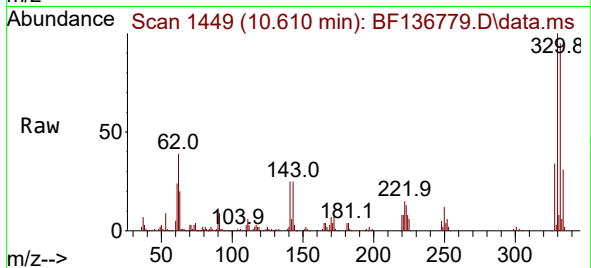
Tgt Ion:330 Resp: 120854

Ion Ratio Lower Upper

330 100

332 94.5 77.4 116.0

141 28.2 23.4 35.2



#45

2-Fluorobiphenyl

Concen: 71.569 ng

RT: 9.139 min Scan# 1199

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

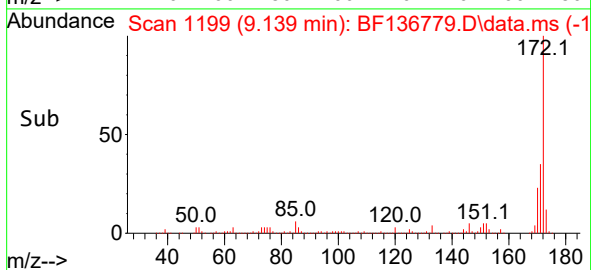
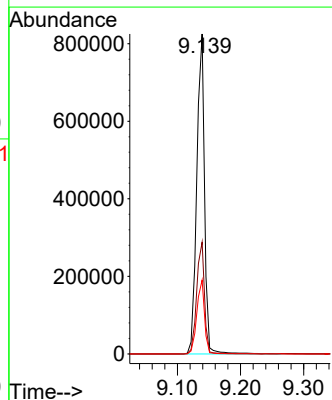
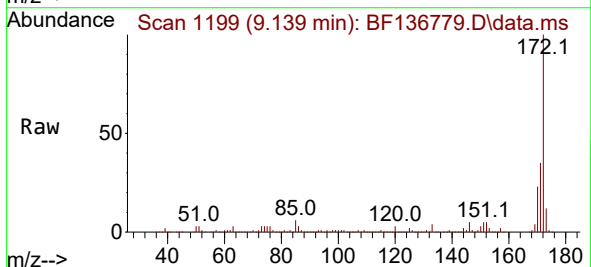
Tgt Ion:172 Resp: 703897

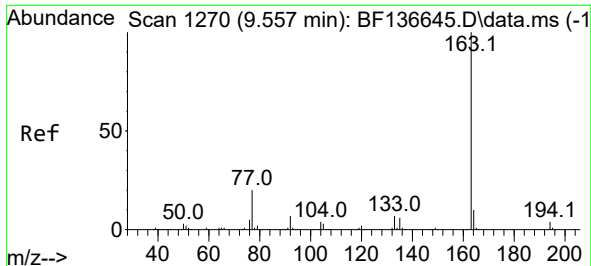
Ion Ratio Lower Upper

172 100

171 34.9 29.0 43.6

170 23.1 19.0 28.4

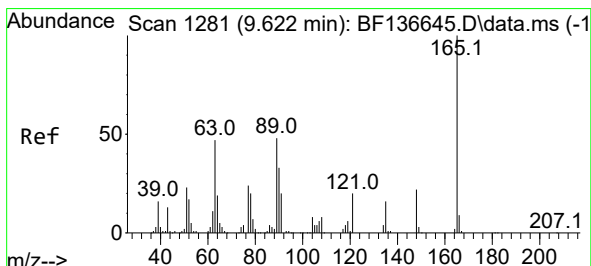
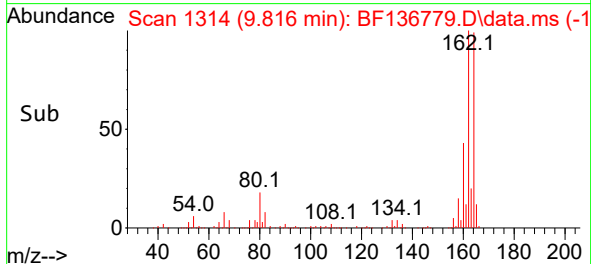
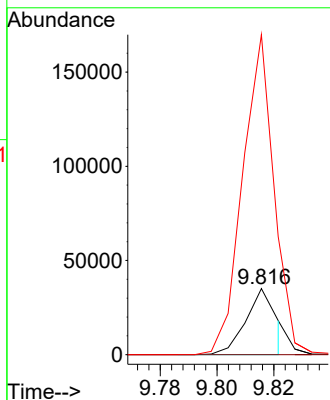
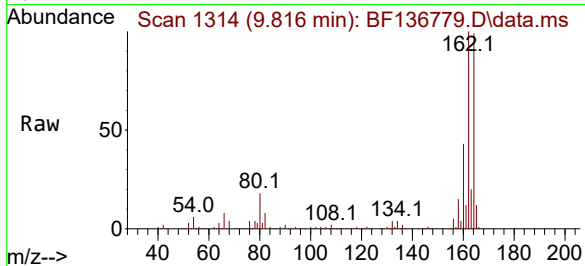




#50
Dimethylphthalate
Concen: 2.697 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.259 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

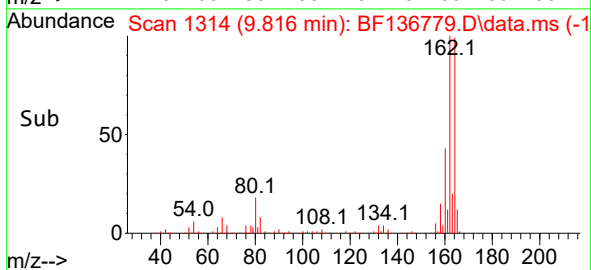
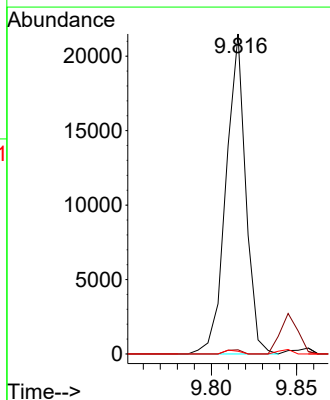
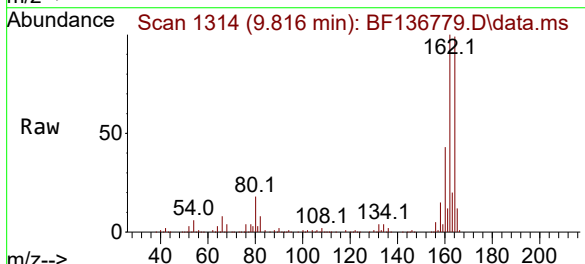
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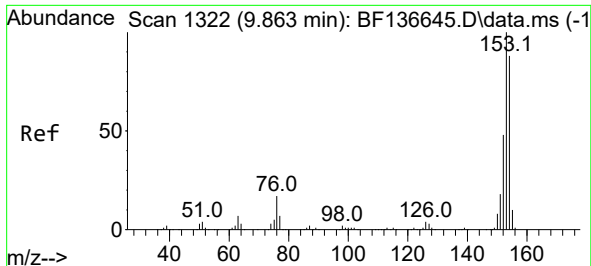
Tgt Ion:163 Resp: 26060
Ion Ratio Lower Upper
163 100
194 0.0 3.3 4.9#
164 484.0 7.8 11.6#



#51
2,6-Dinitrotoluene
Concen: 7.892 ng
RT: 9.816 min Scan# 1314
Delta R.T. 0.194 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Tgt Ion:165 Resp: 17307
Ion Ratio Lower Upper
165 100
63 1.3 39.8 59.6#
89 0.8 38.8 58.2#





#52

Acenaphthene

Concen: 2.969 ng

RT: 9.845 min Scan# 1319

Delta R.T. -0.018 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

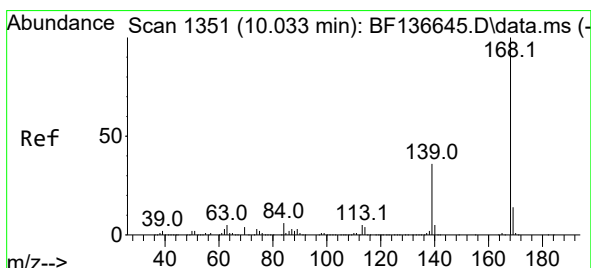
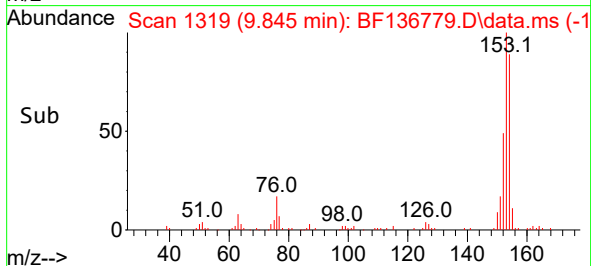
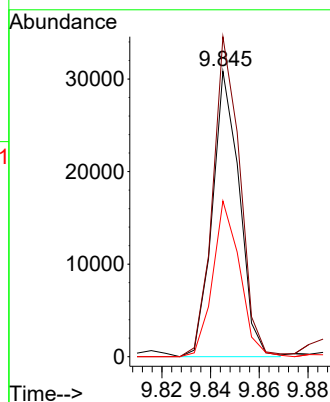
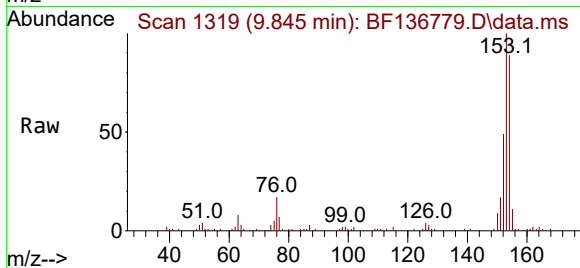
Tgt Ion:154 Resp: 23738

Ion Ratio Lower Upper

154 100

153 112.1 90.7 136.1

152 54.6 43.7 65.5



#55

Dibenzofuran

Concen: 2.381 ng

RT: 10.022 min Scan# 1349

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

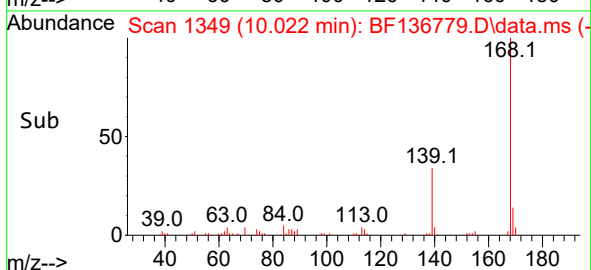
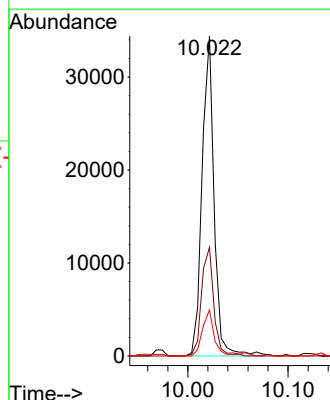
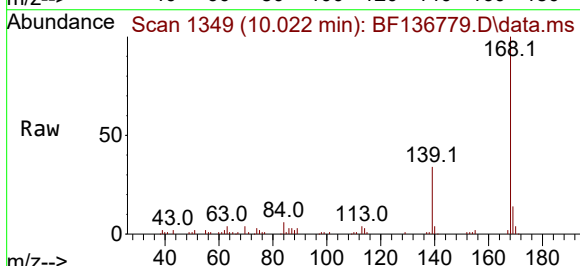
Tgt Ion:168 Resp: 28860

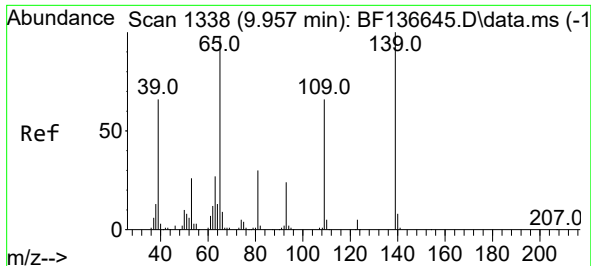
Ion Ratio Lower Upper

168 100

139 33.9 29.3 43.9

169 14.4 11.0 16.4

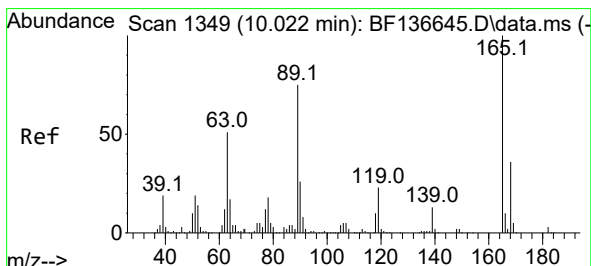
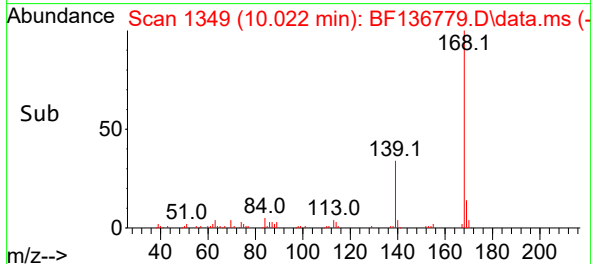
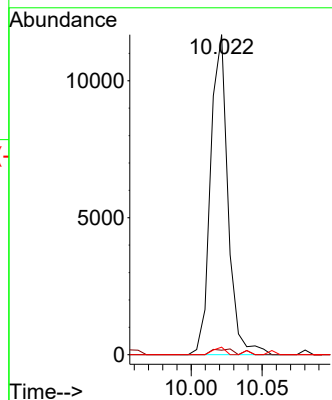
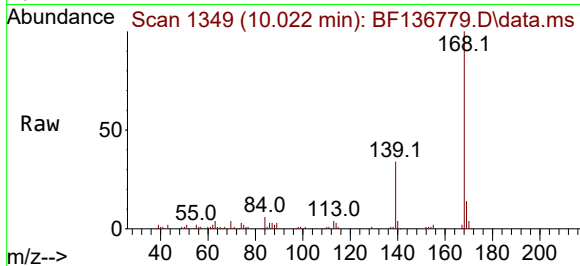




#56
4-Nitrophenol
Concen: 6.348 ng
RT: 10.022 min Scan# 11
Delta R.T. 0.065 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

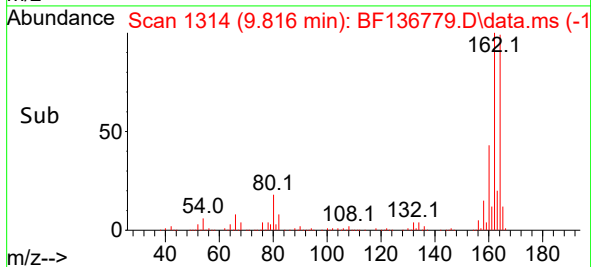
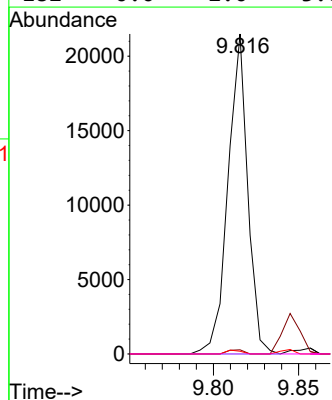
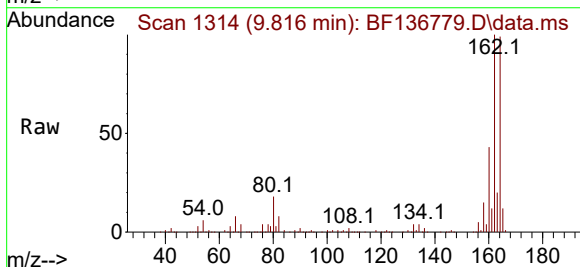
Instrument :
BNA_F
ClientSampleId :
COMP-3

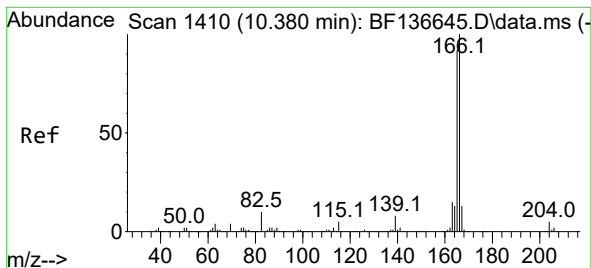
Tgt Ion:139 Resp: 9954
Ion Ratio Lower Upper
139 100
109 1.4 45.8 85.8#
65 2.3 77.8 117.8#



#57
2,4-Dinitrotoluene
Concen: 6.080 ng
RT: 9.816 min Scan# 1314
Delta R.T. -0.206 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Tgt Ion:165 Resp: 17307
Ion Ratio Lower Upper
165 100
63 1.3 41.0 61.6#
89 0.8 59.9 89.9#
182 0.0 2.0 3.0#





#58

Fluorene

Concen: 2.671 ng

RT: 10.363 min Scan# 1410

Delta R.T. -0.018 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

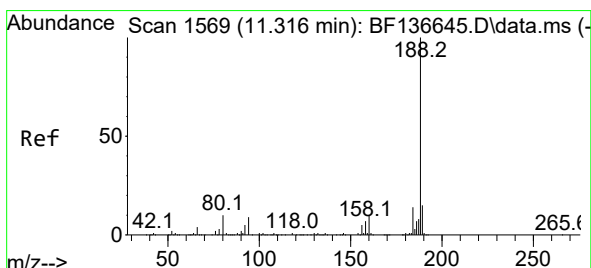
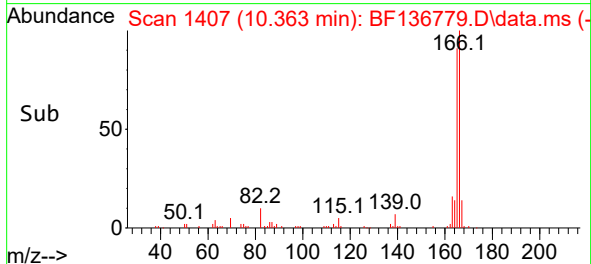
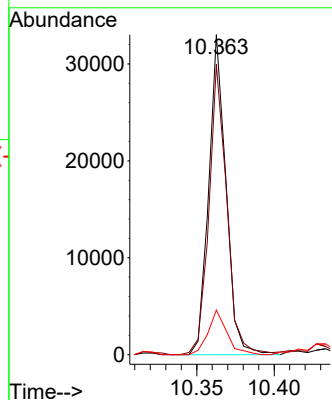
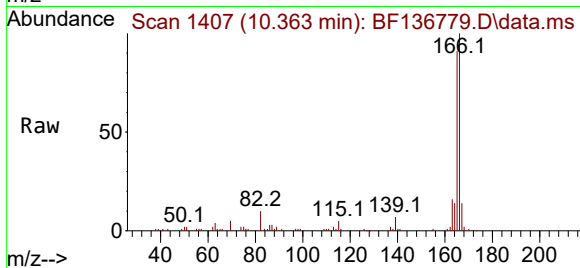
Tgt Ion:166 Resp: 25684

Ion Ratio Lower Upper

166 100

165 90.7 73.7 110.5

167 14.0 10.4 15.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.304 min Scan# 1567

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

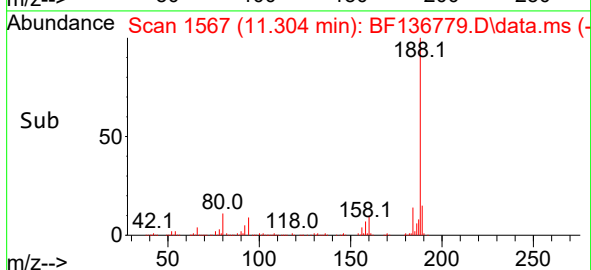
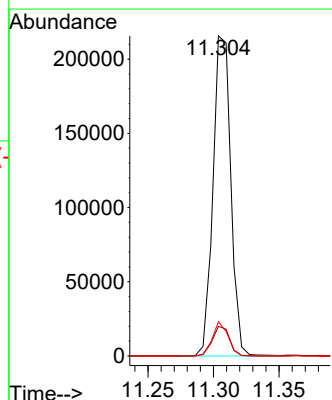
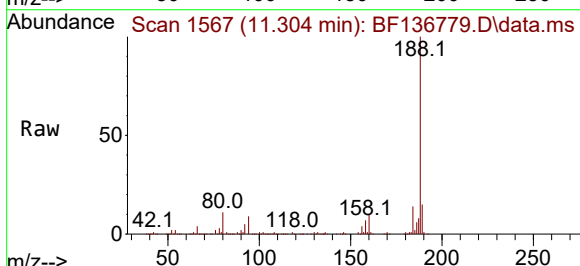
Tgt Ion:188 Resp: 203648

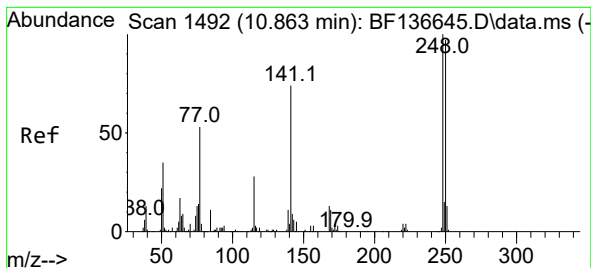
Ion Ratio Lower Upper

188 100

94 9.3 7.5 11.3

80 10.7 8.1 12.1

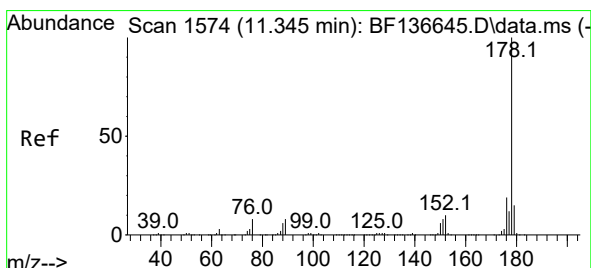
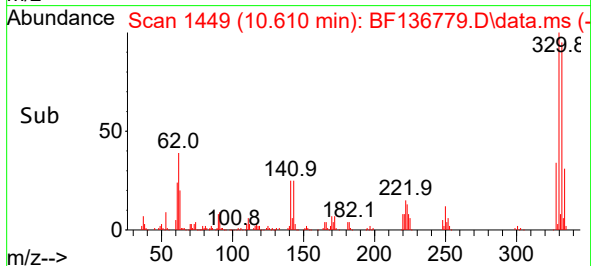
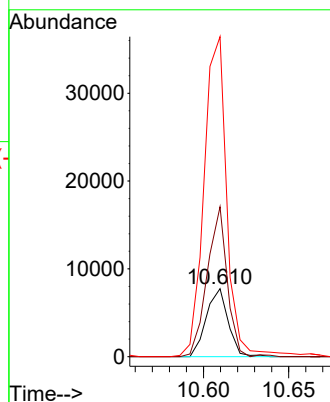
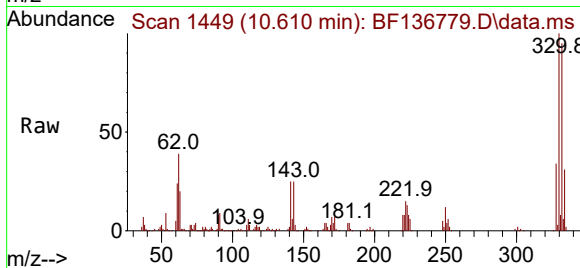




#67
4-Bromophenyl-phenylether
Concen: 3.058 ng
RT: 10.610 min Scan# 1492
Delta R.T. -0.253 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

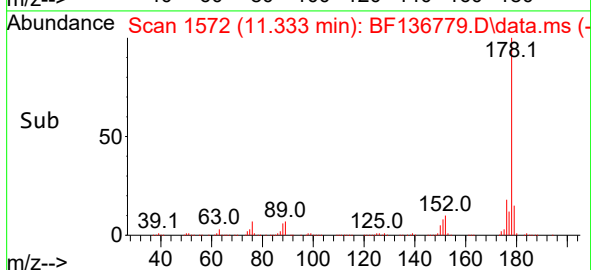
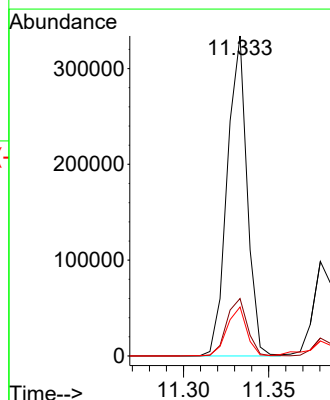
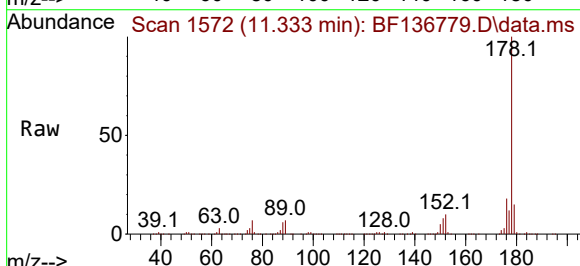
Instrument :
BNA_F
ClientSampleId :
COMP-3

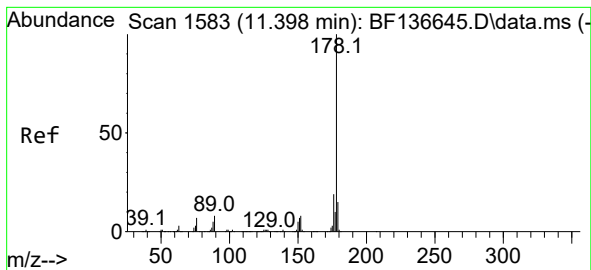
Tgt Ion:248 Resp: 6916
Ion Ratio Lower Upper
248 100
250 220.4 77.8 116.6#
141 470.5 59.2 88.8#



#71
Phenanthrene
Concen: 25.909 ng
RT: 11.333 min Scan# 1572
Delta R.T. -0.012 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Tgt Ion:178 Resp: 270728
Ion Ratio Lower Upper
178 100
176 17.9 15.3 22.9
179 15.3 11.9 17.9





#72

Anthracene

Concen: 7.535 ng

RT: 11.380 min Scan# 1

Delta R.T. -0.018 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

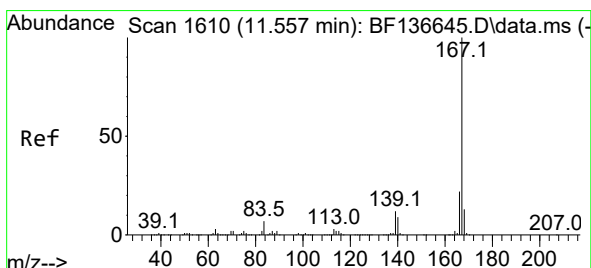
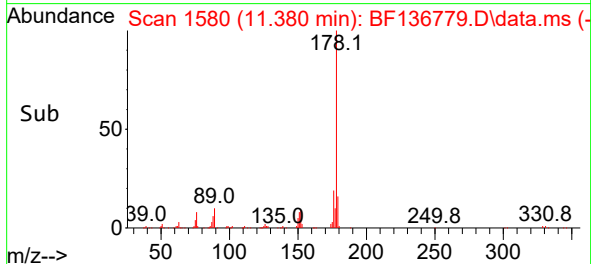
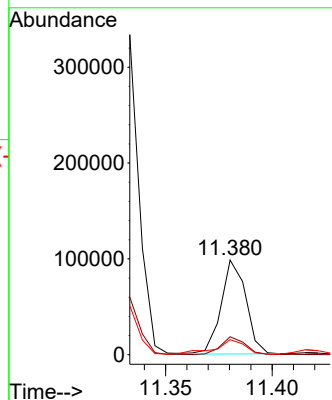
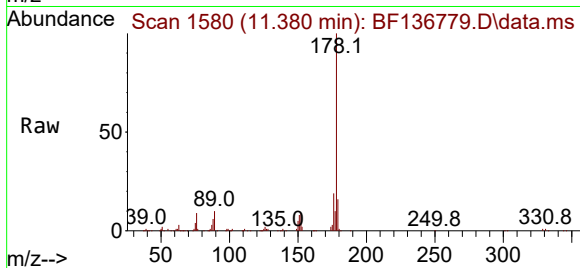
Tgt Ion:178 Resp: 79736

Ion Ratio Lower Upper

178 100

176 19.0 14.9 22.3

179 15.9 11.8 17.6



#73

Carbazole

Concen: 2.843 ng

RT: 11.539 min Scan# 1607

Delta R.T. -0.018 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

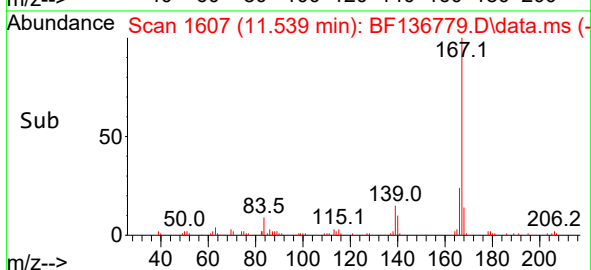
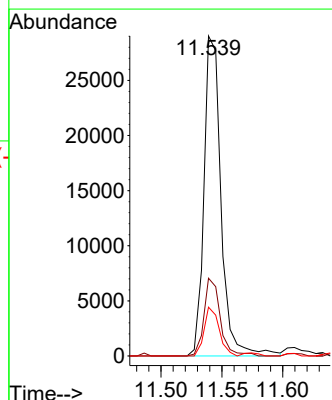
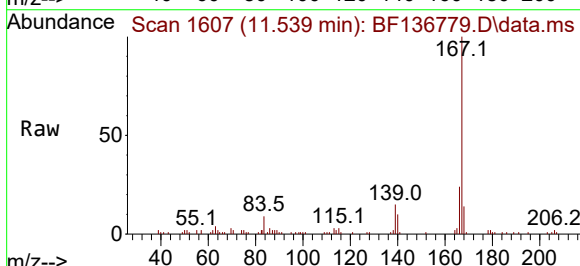
Tgt Ion:167 Resp: 28367

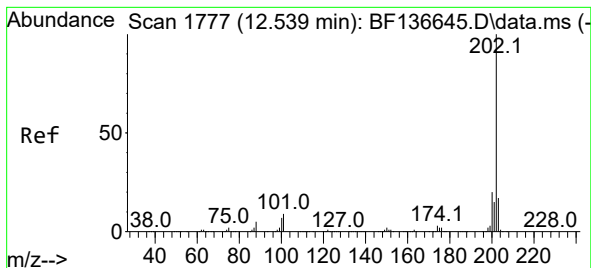
Ion Ratio Lower Upper

167 100

166 24.3 17.3 25.9

139 15.2 9.8 14.6#





#75

Fluoranthene

Concen: 34.828 ng

RT: 12.527 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

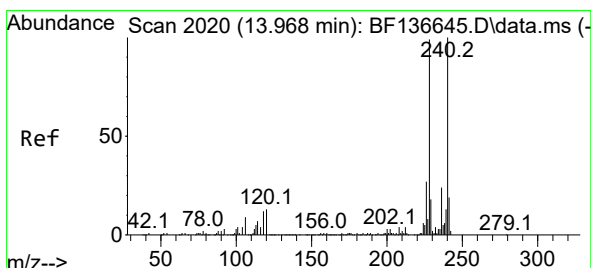
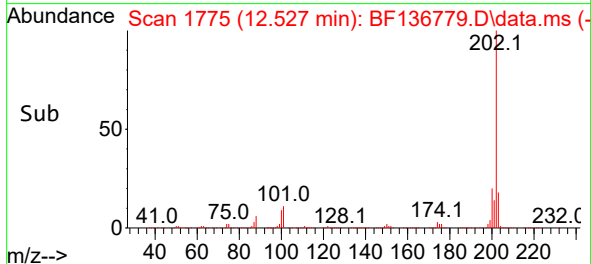
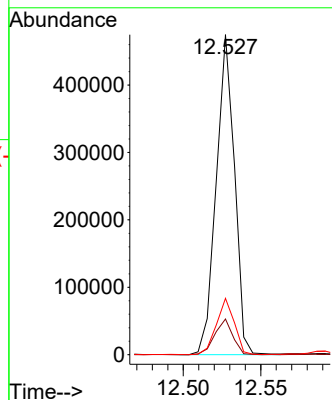
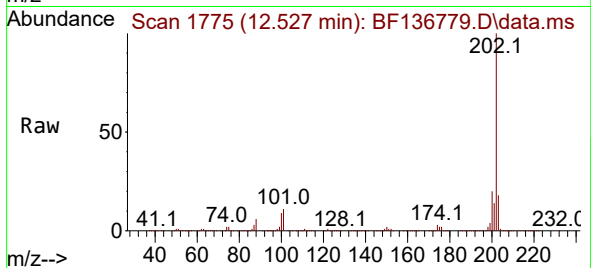
Tgt Ion:202 Resp: 389276

Ion Ratio Lower Upper

202 100

101 11.2 0.0 29.3

203 17.6 0.0 37.1



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.006 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

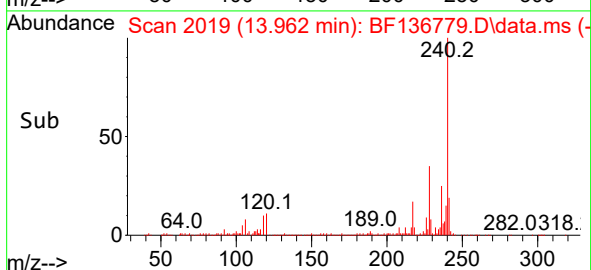
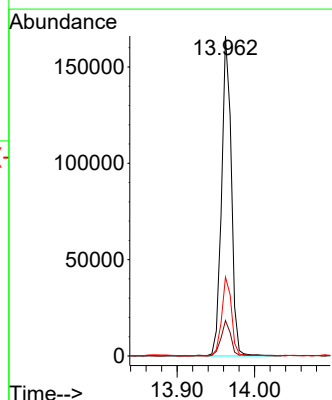
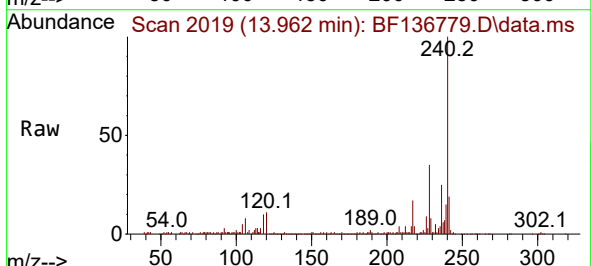
Tgt Ion:240 Resp: 145257

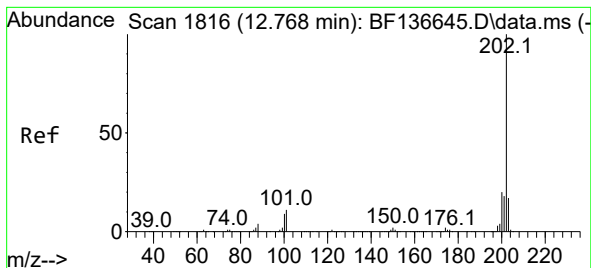
Ion Ratio Lower Upper

240 100

120 11.1 10.3 15.5

236 24.7 19.4 29.2





#78

Pyrene

Concen: 23.200 ng

RT: 12.757 min Scan# 1814

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

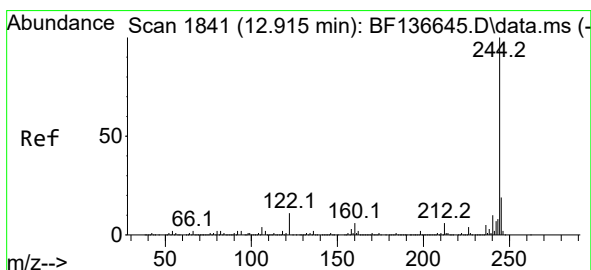
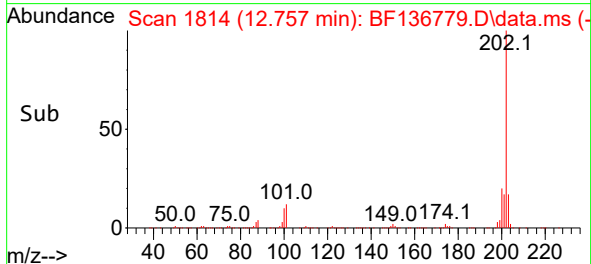
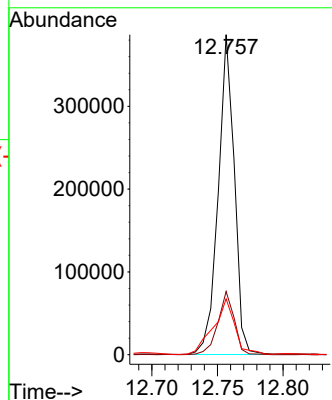
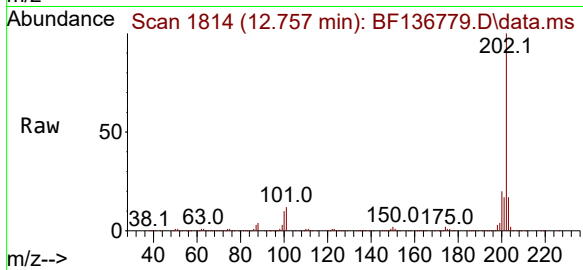
Tgt Ion:202 Resp: 330818

Ion Ratio Lower Upper

202 100

200 19.8 15.9 23.9

203 17.5 13.8 20.6



#79

Terphenyl-d14

Concen: 51.786 ng

RT: 12.904 min Scan# 1839

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

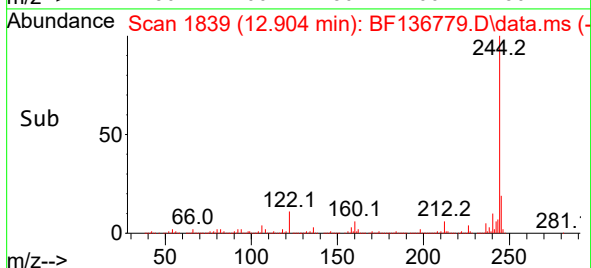
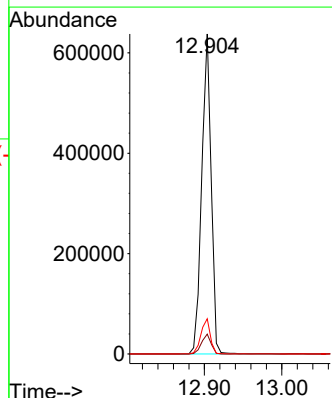
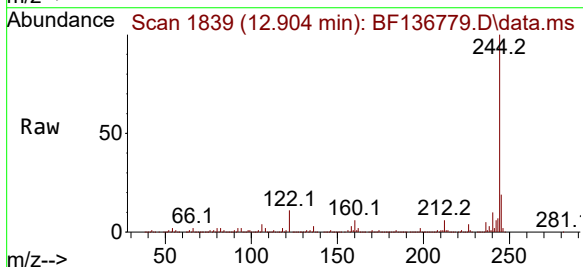
Tgt Ion:244 Resp: 538281

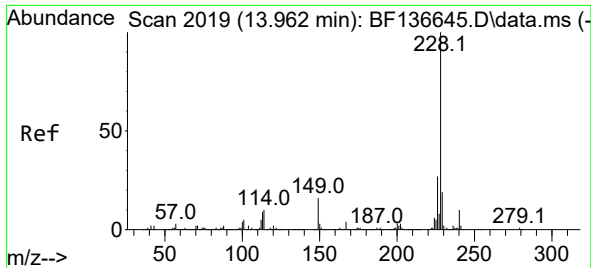
Ion Ratio Lower Upper

244 100

212 6.2 5.0 7.4

122 11.0 9.0 13.4

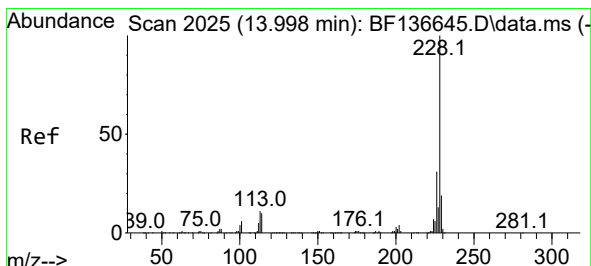
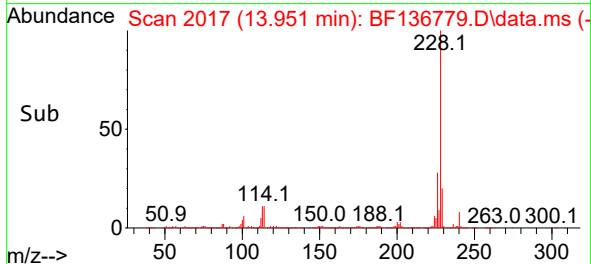
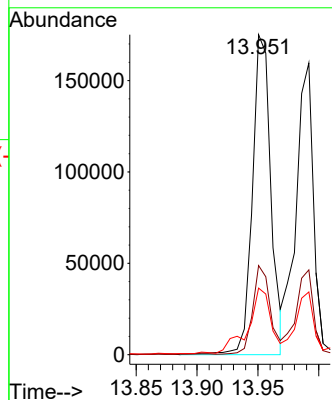
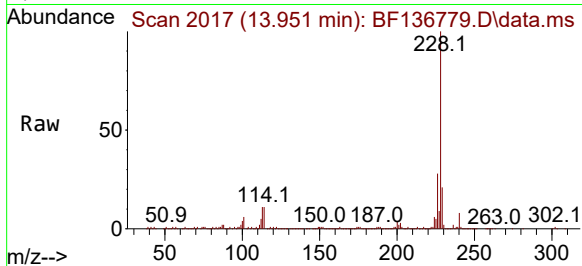




#81
Benzo(a)anthracene
Concen: 18.340 ng
RT: 13.951 min Scan# 2019
Delta R.T. -0.012 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

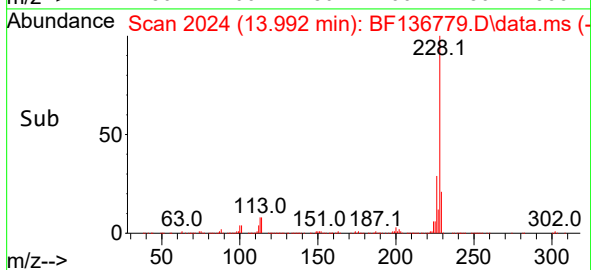
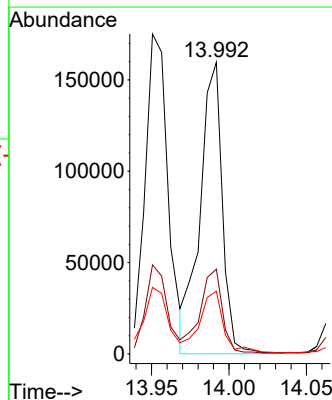
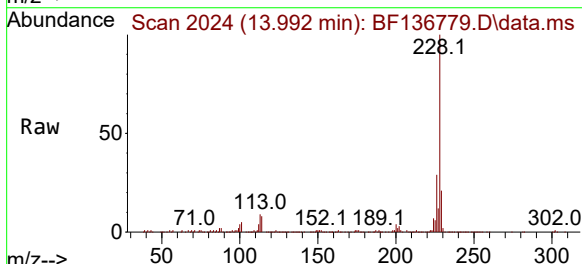
Instrument :
BNA_F
ClientSampleId :
COMP-3

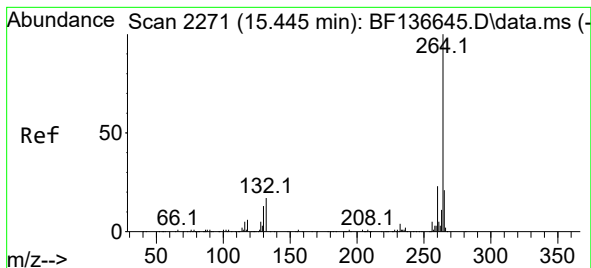
Tgt Ion:228 Resp: 184990
Ion Ratio Lower Upper
228 100
226 27.8 21.4 32.0
229 20.8 14.9 22.3



#83
Chrysene
Concen: 16.240 ng
RT: 13.992 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF136779.D
Acq: 28 Dec 2023 02:07

Tgt Ion:228 Resp: 160182
Ion Ratio Lower Upper
228 100
226 29.1 24.7 37.1
229 21.5 15.4 23.0





#86

Perylene-d12

Concen: 20.000 ng

RT: 15.445 min Scan# 21

Delta R.T. -0.000 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

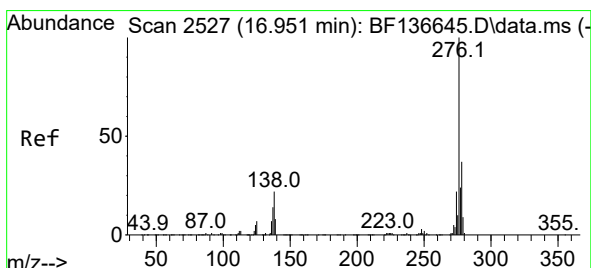
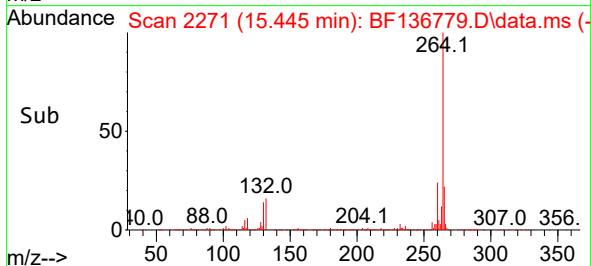
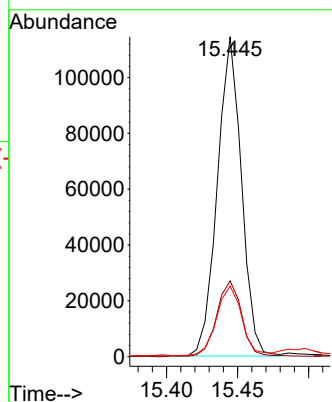
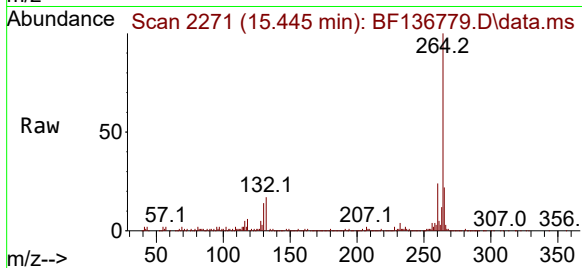
Tgt Ion:264 Resp: 134871

Ion Ratio Lower Upper

264 100

260 23.7 18.3 27.5

265 22.1 17.0 25.6



#87

Indeno(1,2,3-cd)pyrene

Concen: 7.208 ng

RT: 16.939 min Scan# 2525

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

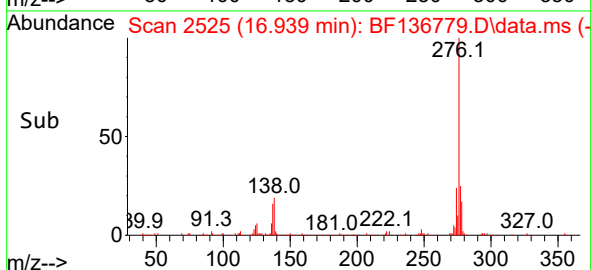
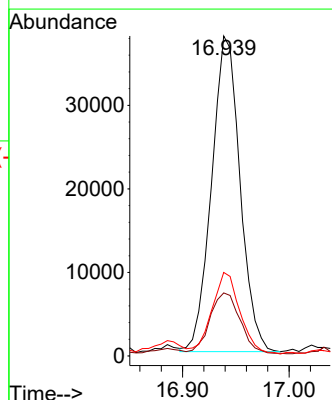
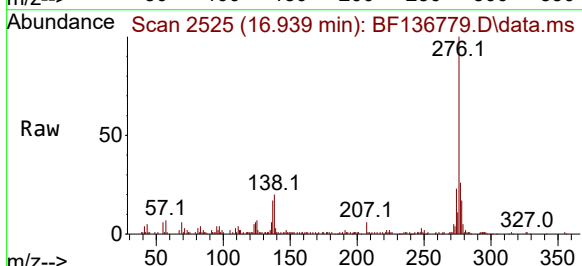
Tgt Ion:276 Resp: 70192

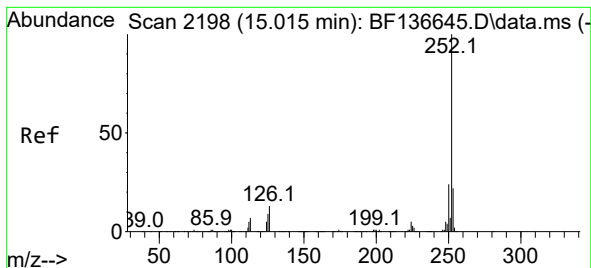
Ion Ratio Lower Upper

276 100

138 20.4 18.7 28.1

277 25.6 20.2 30.2





#88

Benzo(b)fluoranthene

Concen: 30.036 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.006 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

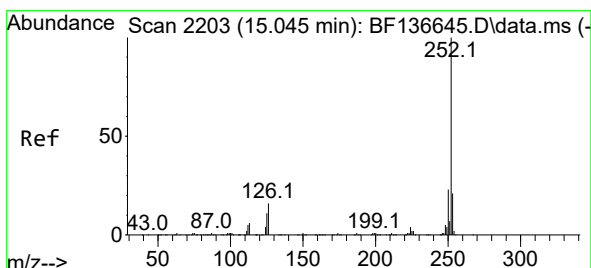
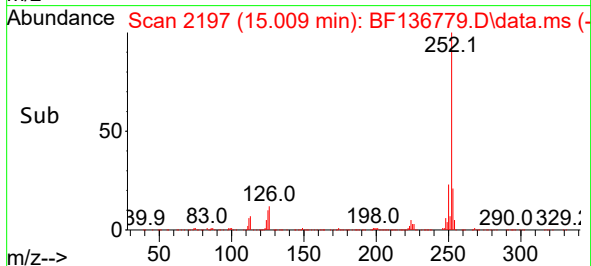
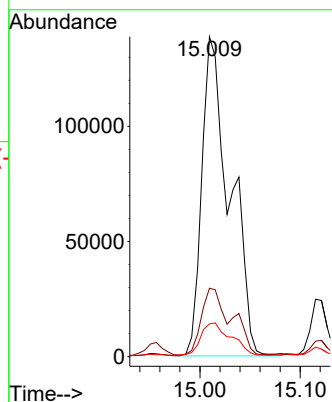
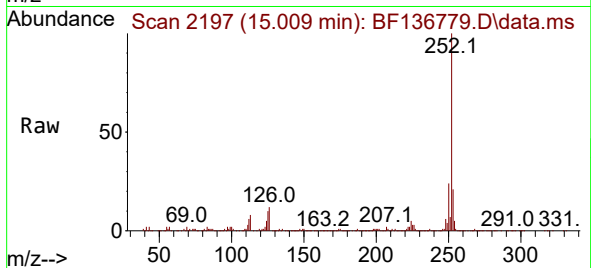
Tgt Ion:252 Resp: 270566

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.0

125 10.3 7.4 11.2



#89

Benzo(k)fluoranthene

Concen: 31.787 ng

RT: 15.009 min Scan# 2197

Delta R.T. -0.035 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

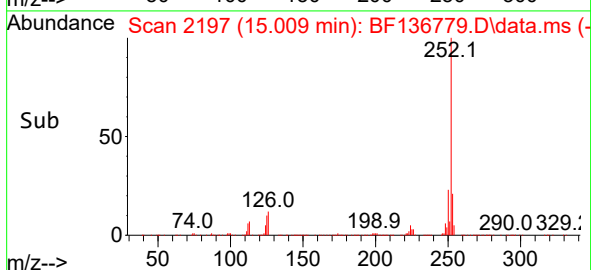
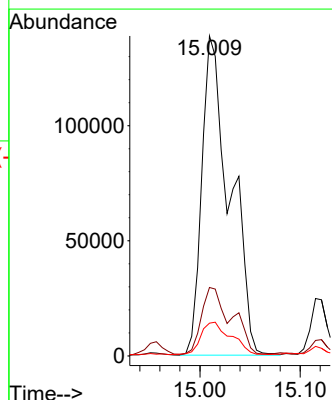
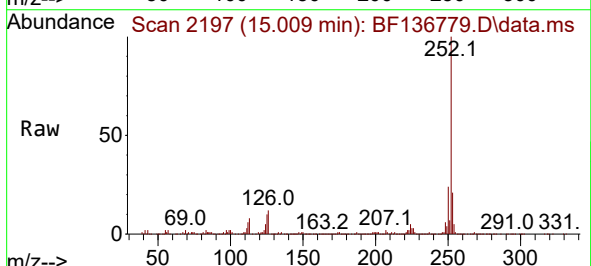
Tgt Ion:252 Resp: 270566

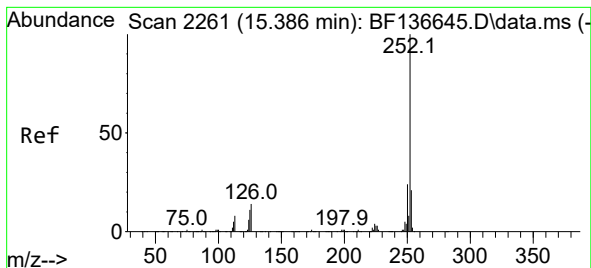
Ion Ratio Lower Upper

252 100

253 21.4 17.0 25.6

125 10.3 8.2 12.4





#90

Benzo(a)pyrene

Concen: 18.490 ng

RT: 15.380 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Instrument :

BNA_F

ClientSampleId :

COMP-3

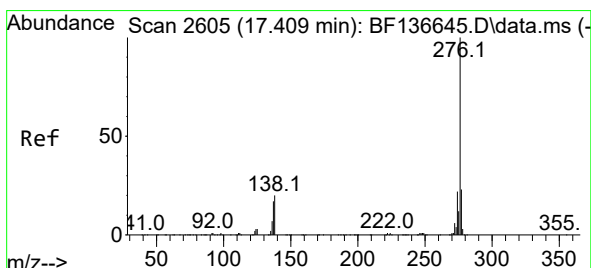
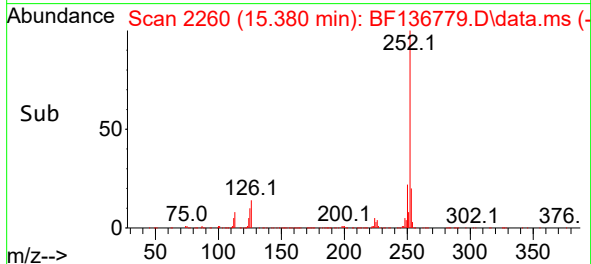
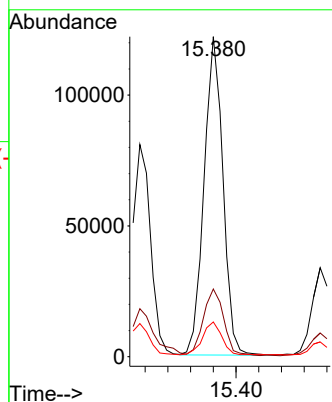
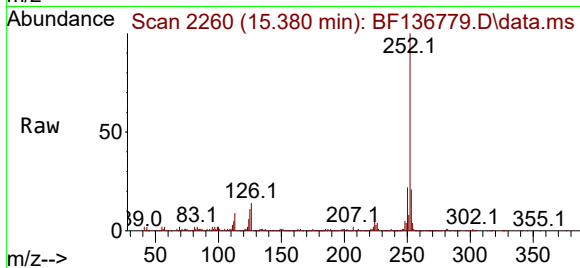
Tgt Ion:252 Resp: 140594

Ion Ratio Lower Upper

252 100

253 21.2 17.0 25.6

125 10.8 8.8 13.2



#92

Benzo(g,h,i)perylene

Concen: 8.712 ng

RT: 17.398 min Scan# 2603

Delta R.T. -0.012 min

Lab File: BF136779.D

Acq: 28 Dec 2023 02:07

Tgt Ion:276 Resp: 71282

Ion Ratio Lower Upper

276 100

277 23.7 18.3 27.5

138 18.3 15.6 23.4

